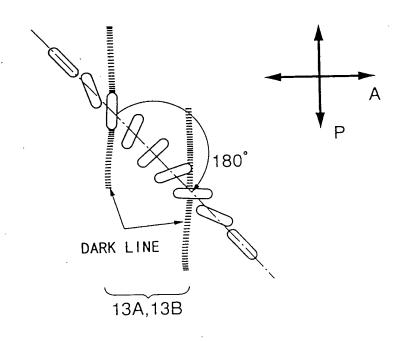
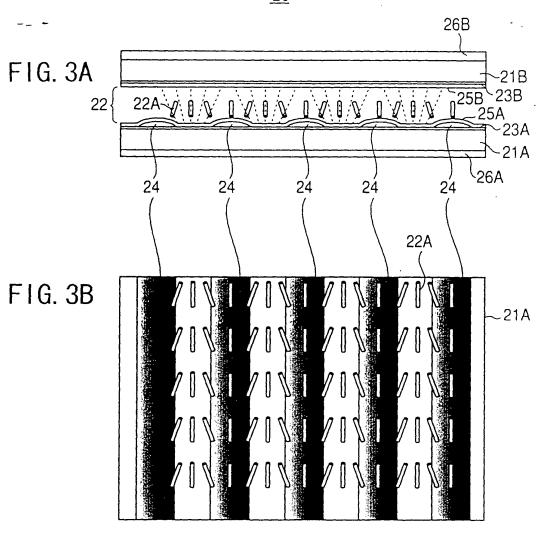


FIG. 2 PRIOR ART

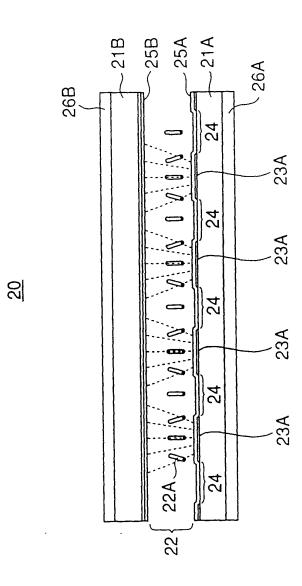


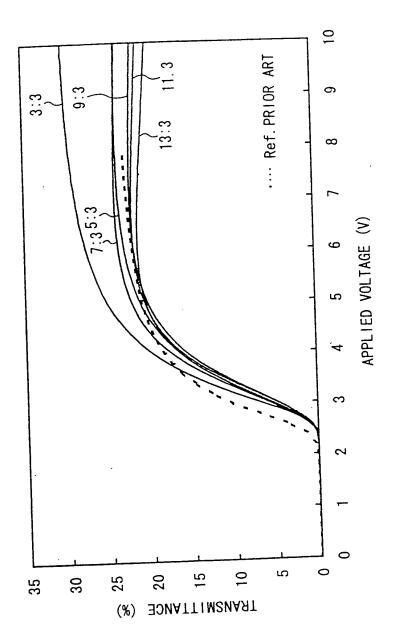






F1G. 4





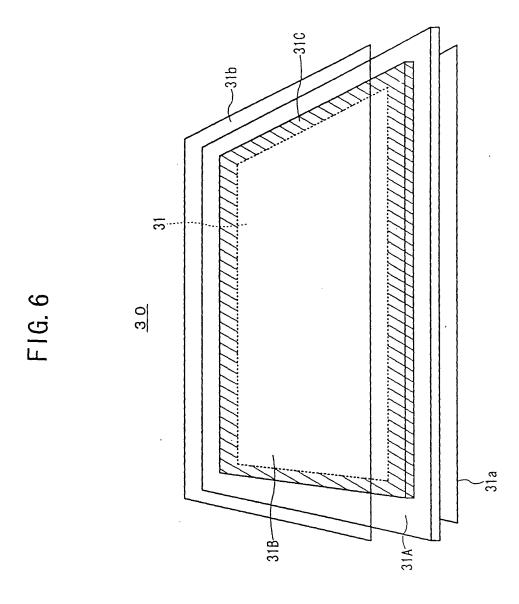
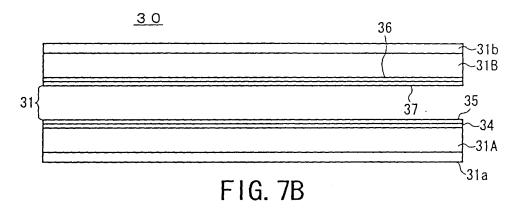
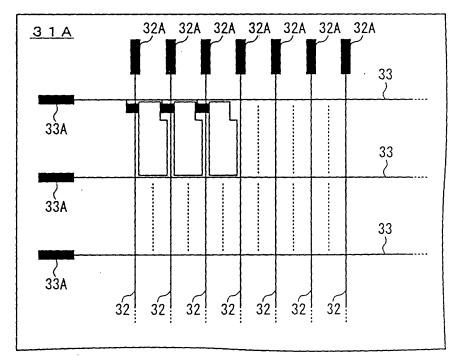


FIG. 7A





LIQUID CRYSTAL DISPLAY DEVICE AND METHOD Kataoka et al.

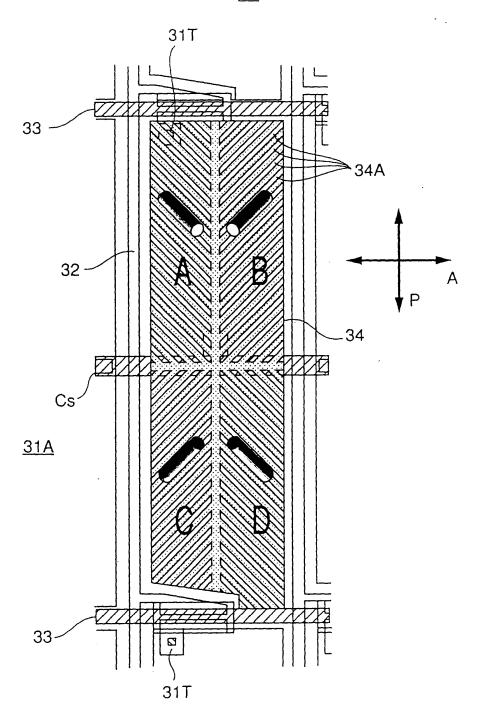
Greer, Burns & Crain, Ltd. (Patrick Bu.)

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FIG. 8

<u>34</u>



Liquid CRYSTAL DISPLAY DEVICE AND METHOD

Katsoka et al.

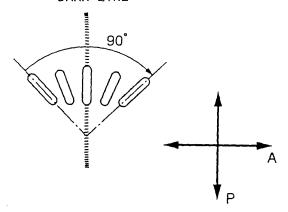
Greer, Burns & Crain, Ltd. (Patrick Burns)

Ref. No. 0941.65687

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FIG. 9





LIQUID CRYSTAL DISPLAY DEVICE AND METHOD
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FIG. 10

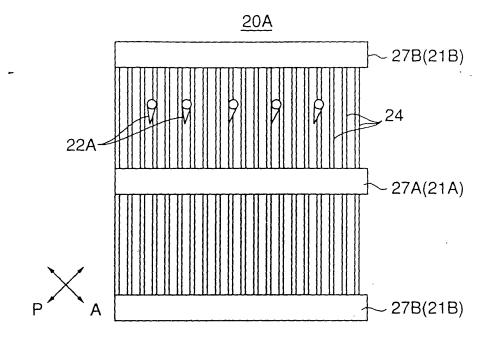
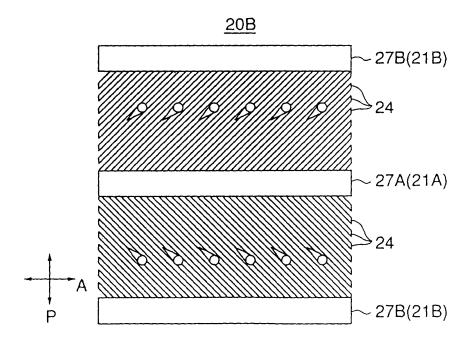


FIG. 11



LIQUID CRYSTAL DISPLAY DEVICE AND METHOD
Kataoka et al.
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FIG. 12

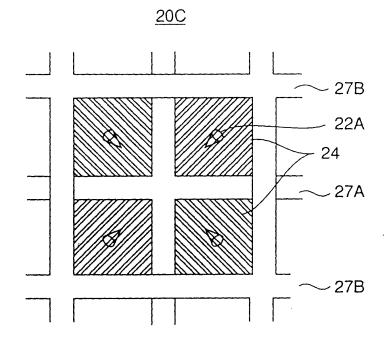


FIG. 13

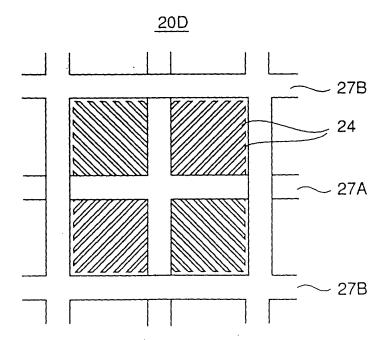
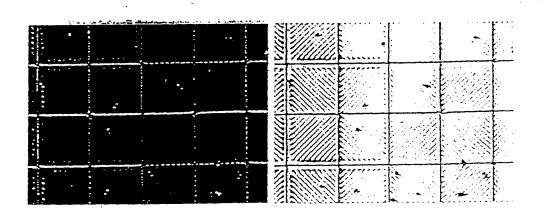




FIG. 14A

FIG. 14B



Liquid CRYSTAL DISPLAY DEVICE AND METHOR

Kataoka et al.

Greer, Burns & Crain, Ltd. (Patrick Burns Ref. No. 0941.65687

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FIG. 14C

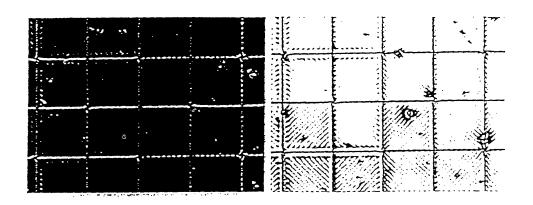
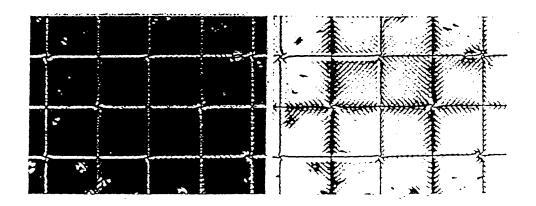


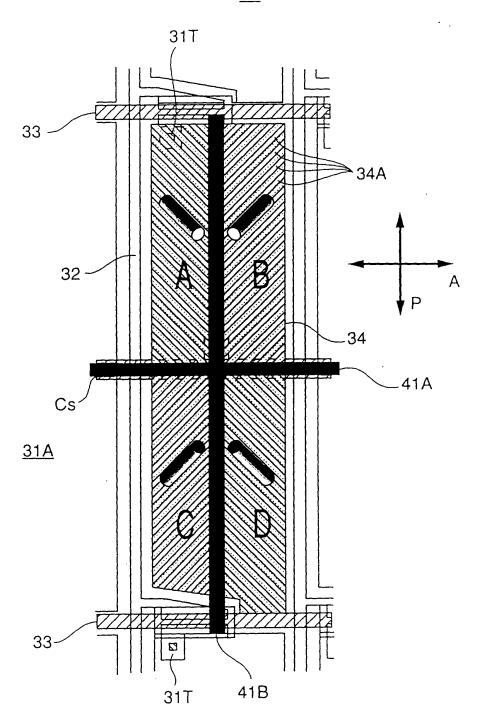
FIG. 14D



LIQUID CRYSTAL DISPLAY DEVICE AND METHOF ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Bur._, Ref. No. 0941.65687
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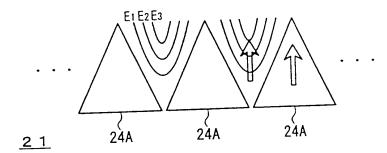
FIG. 15

<u>40</u>



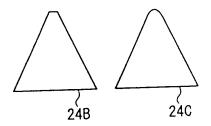
Kataoka et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
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FIG. 16



Liquid Crystal display device and metho ...
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FIG. 17



LIQUID CRYSTAL DISPLAY DEVICE AND METHO.

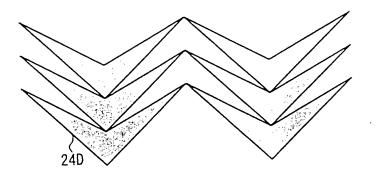
Kataoka et al.

Greer, Burns & Crain, Ltd. (Patrick Burns)

Ref. No. 0941.65687

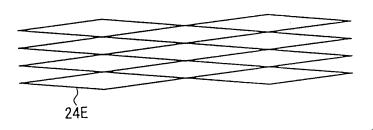
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FIG. 18

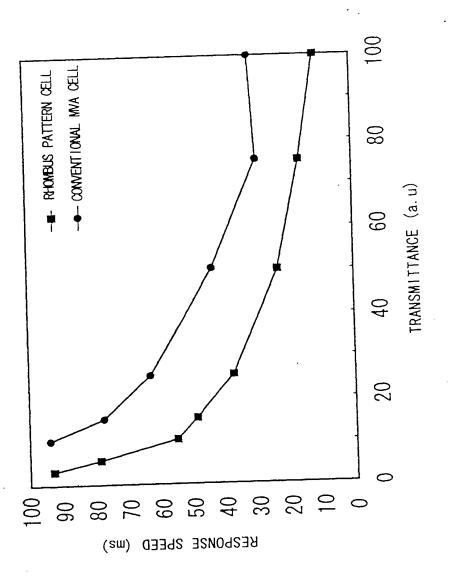


LIQUID CRYSTAL DISPLAY DEVICE AND ME" 'U ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick buins) Ref. No. 0941.65687
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FIG. 19



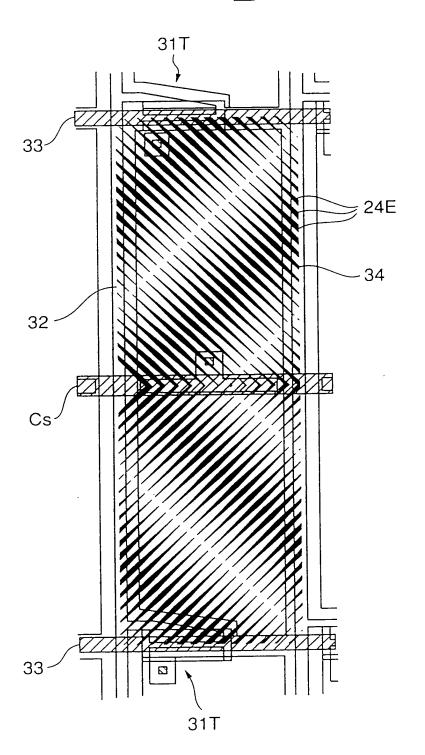




LIQUID CRYSTAL DISPLAY DEVICE AND MET Kataoka et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
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FIG. 21

<u>50</u>



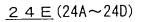
Kataoka et al.

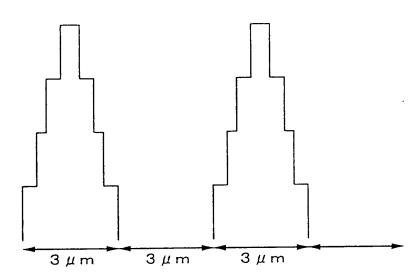
Greer, Burns & Crain, Ltd. (Patrick Burns)

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FIG. 22

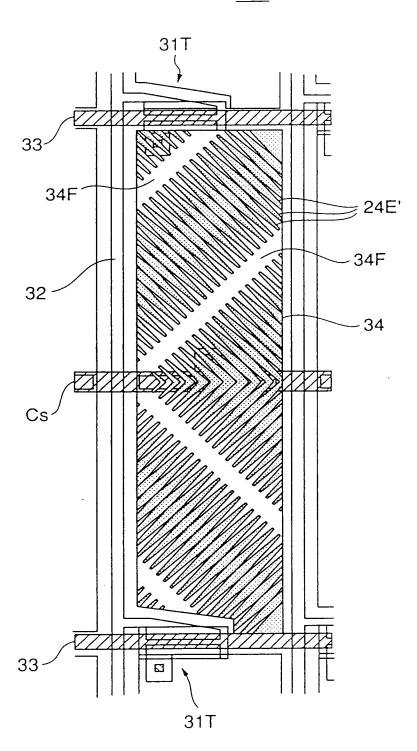




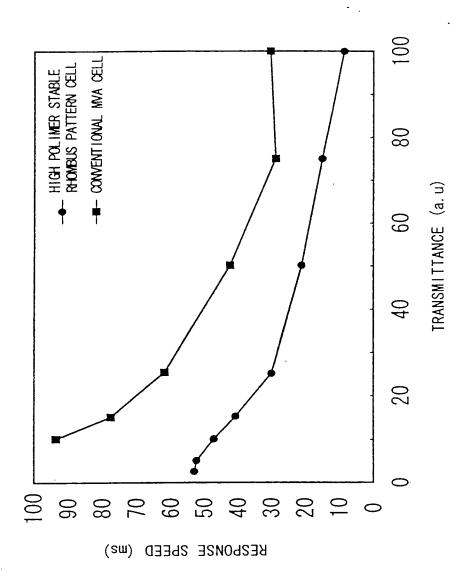
Kataoka et al.
Greer, Burns & Crain, Ltd. (Patrich—durns)
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FIG. 23

<u>50A</u>







LIQUID CRYSTAL DISPLAY DEVICE AND METH ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Bulms) Ref. No. 0941.65687
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FIG. 25A

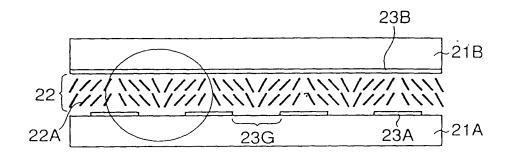
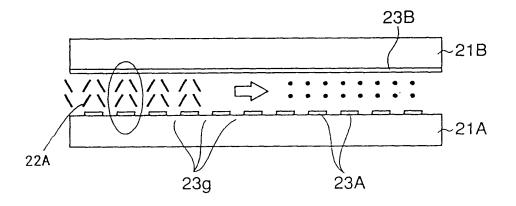


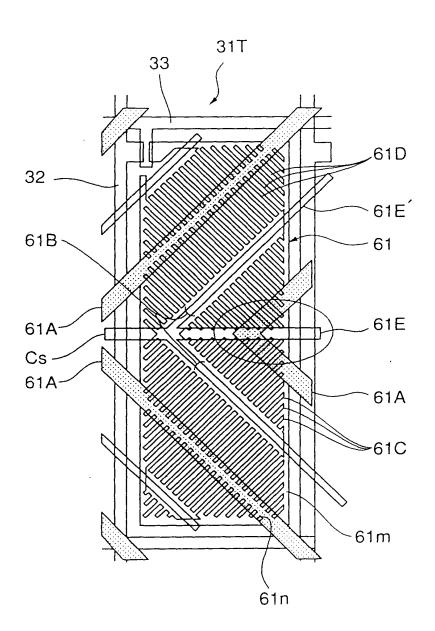
FIG. 25B



Eliguid CRYSTAL DISPLAY DEVICE AND METHOD ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Be...) Ref. No. 0941.65687 Sheet 24 of 64 (312) 360 0080

FIG. 26

<u>60</u>



Kataoka et al.

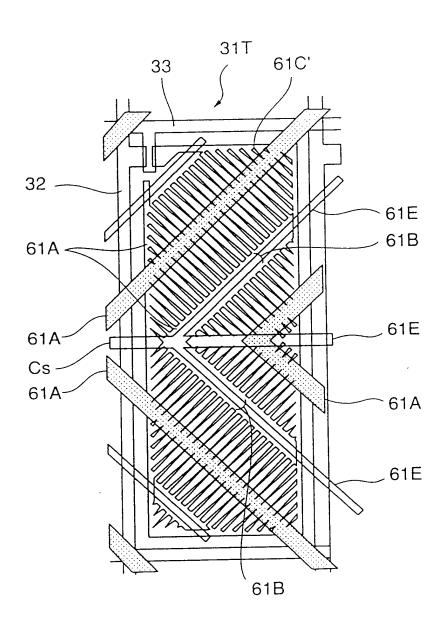
Greer, Burns & Crain, Ltd. (Patrick Burns)

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FIG. 27

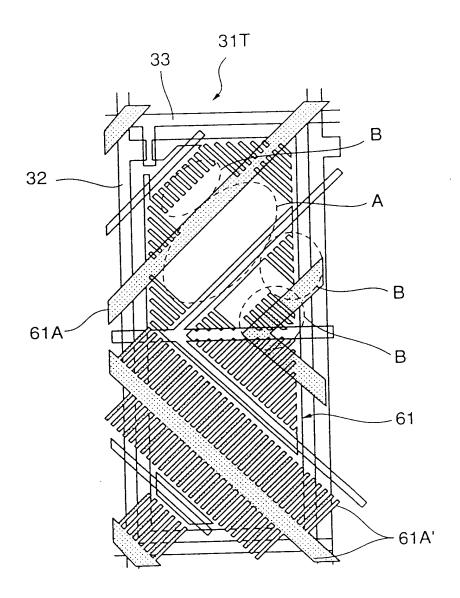
<u>60A</u>



LIQUID CRYSTAL DISPLAY DEVICE AND METH ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Burs) Ref. No. 0941.65687 Sheet 26 of 64 (312) 360 0080

FIG. 28

<u>60C</u>



Eliguid CRYSTAL DISPLAY DEVICE AND METP⁽¹⁾ ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick B., 18) Ref. No. 0941.65687 Sheet 27 of 64 (312) 360 0080

FIG. 29

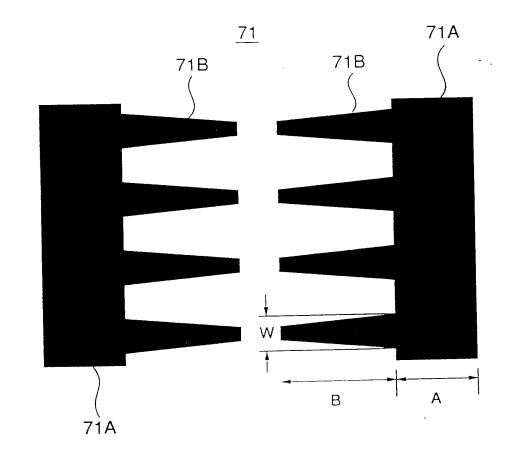
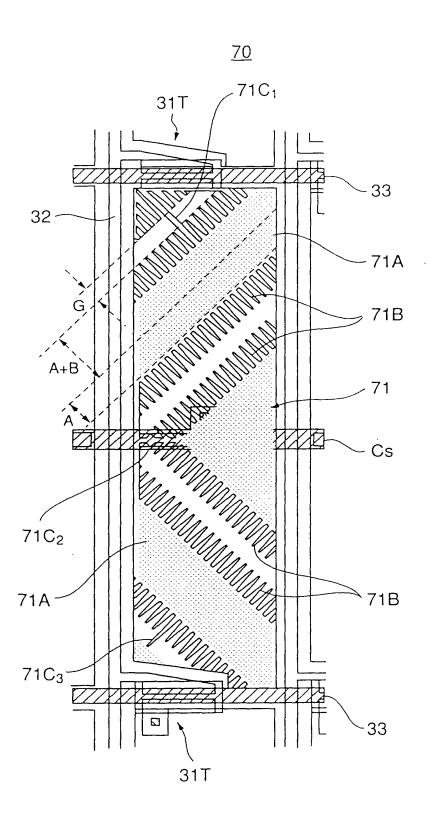


FIG. 30



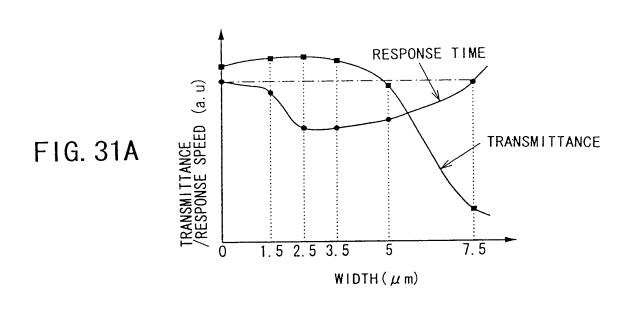
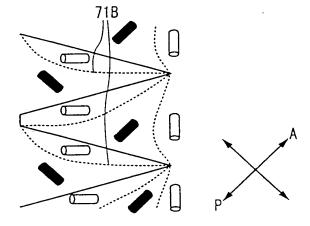
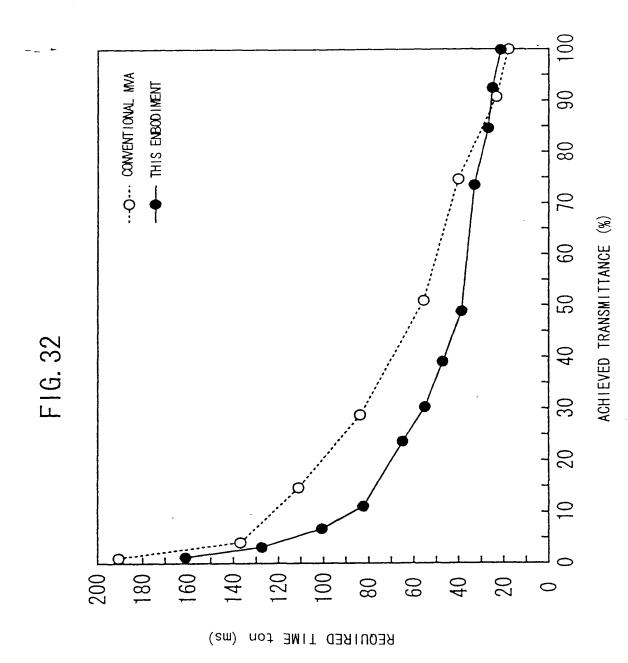
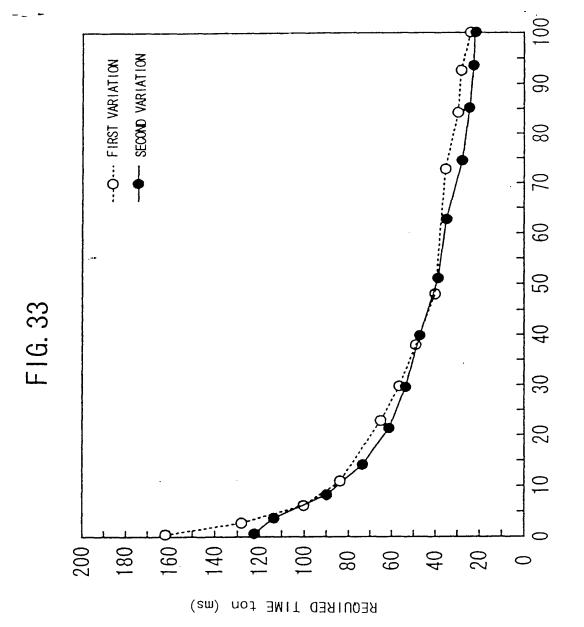


FIG. 31B





33



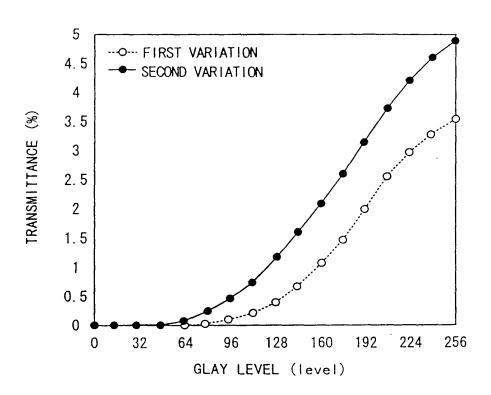
ACHIEVED TRANSMITTANCE (%)

LIQUID CRYSTAL DISPLAY DEVICE AND METHOD .

Kataoka et al.

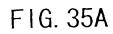
Greer, Burns & Crain, Ltd. (Patrick Burn
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FIG. 34



LIQUID CRISTAL DISPLAY DEVICE AND METHOD .. Kataoka et al.

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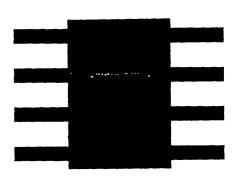


FIG. 35B

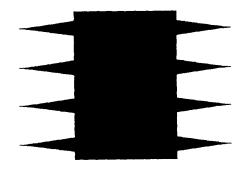
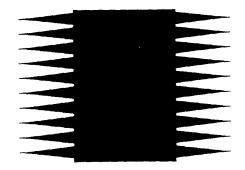


FIG. 35C



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FIG. 36A

R₁

R₂

81

31A

R₂

State of the state o

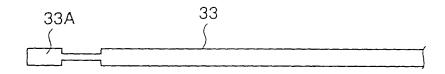
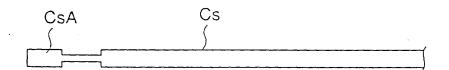


FIG. 36C



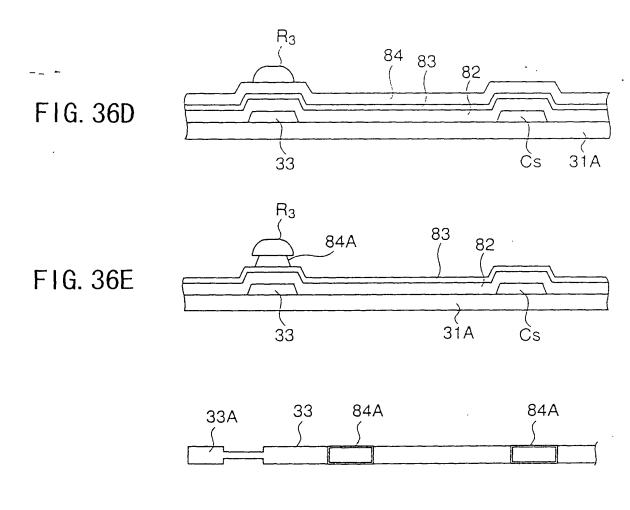
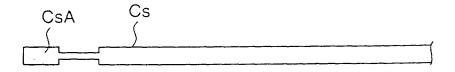
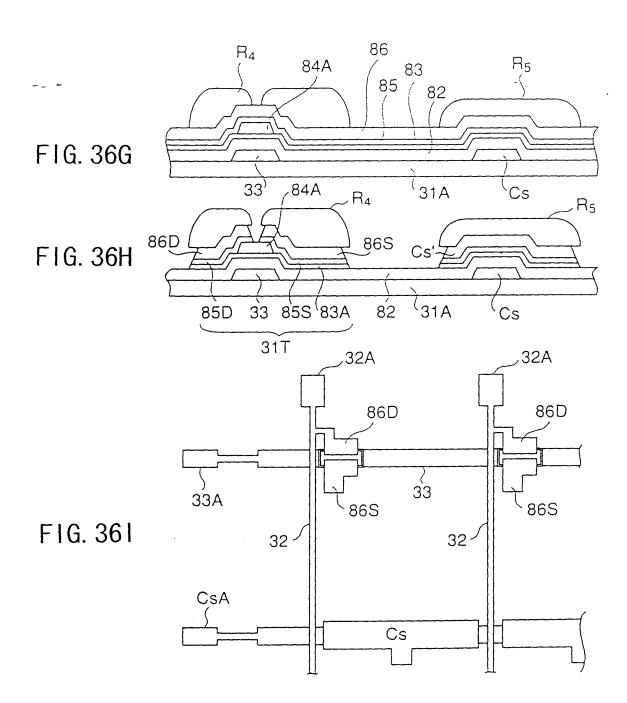


FIG. 36F





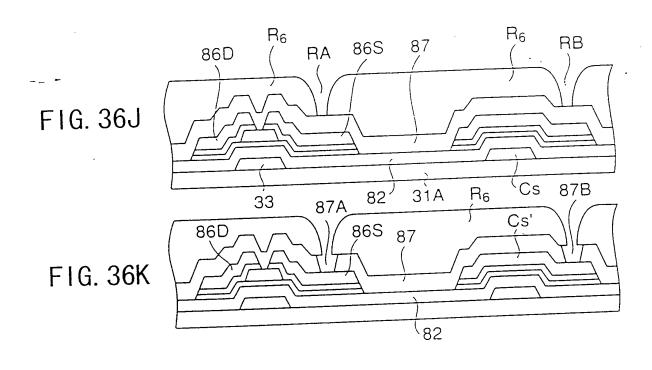
LIQUID CRYSTAL DISPLAY DEVICE AND METHO

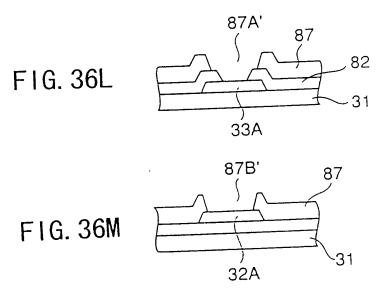
Kataoka et al.

Greer, Burns & Crain, Ltd. (Patrick Burns)

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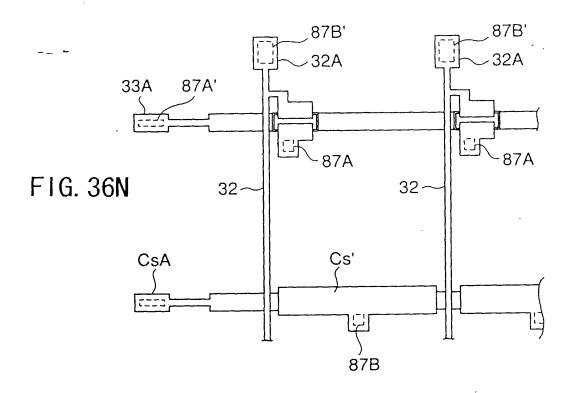
LIQUID CRYSTAL DISPLAY DEVICE AND METHO...

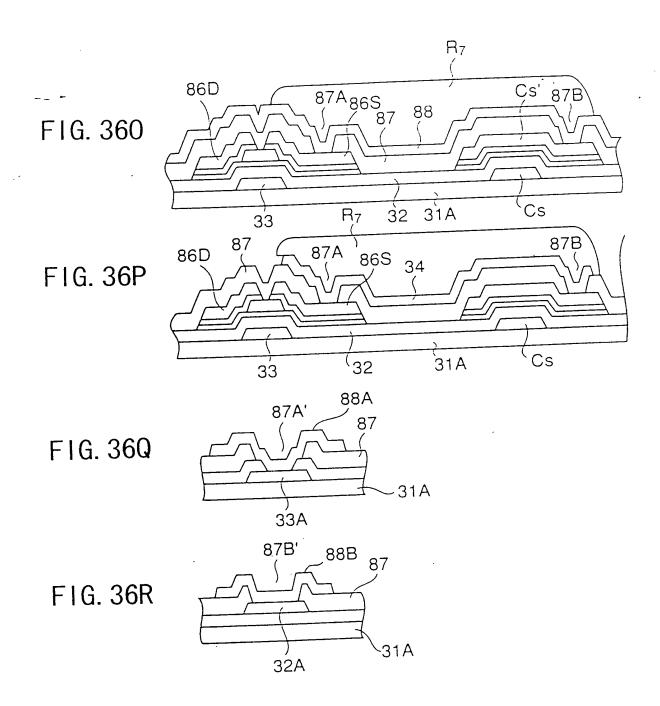
Kataoka et al.

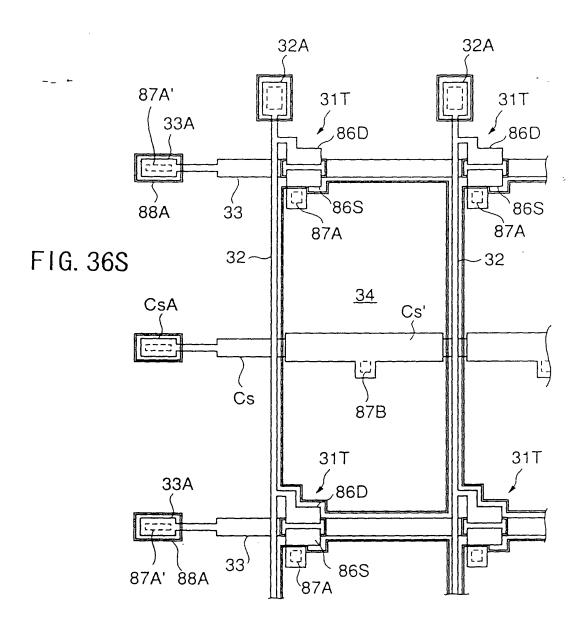
Greer, Burns & Crain, Ltd. (Patrick Bussel)

Ref. No. U941.65687

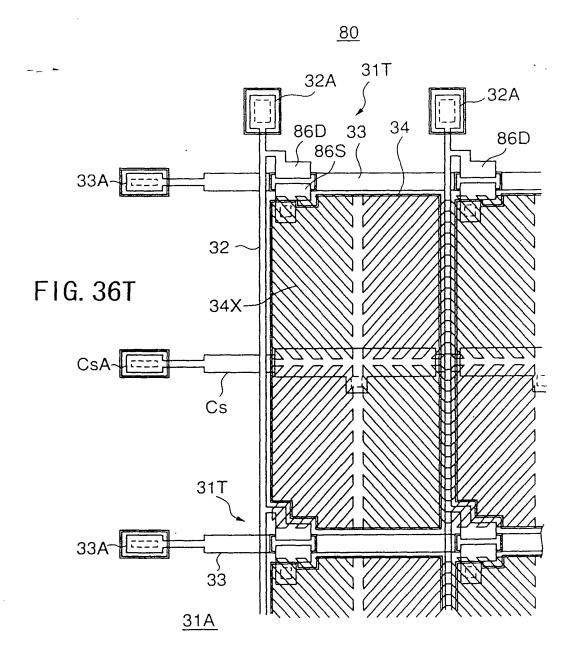
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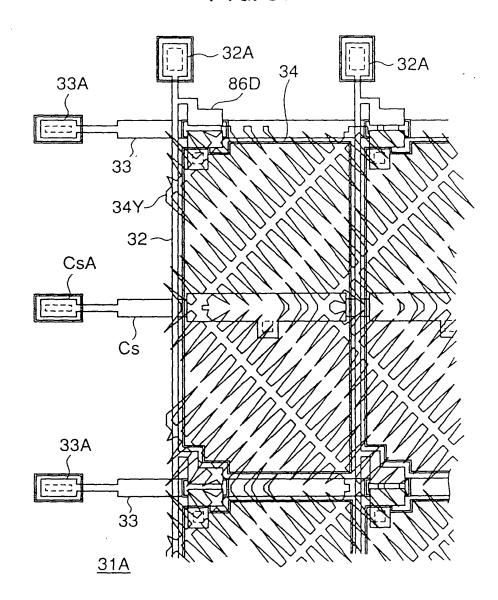


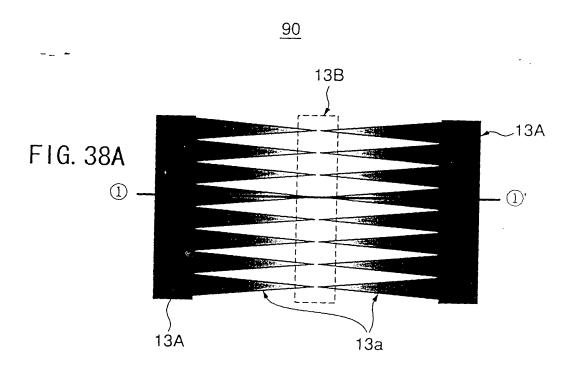
LIQUID CRYSTAL DISPLAY DEVICE AND METHOR
Kataoka et al.
Greer, Burns & Crain, Ltd. (Patrick Burns, Ref. No. 0941.65687
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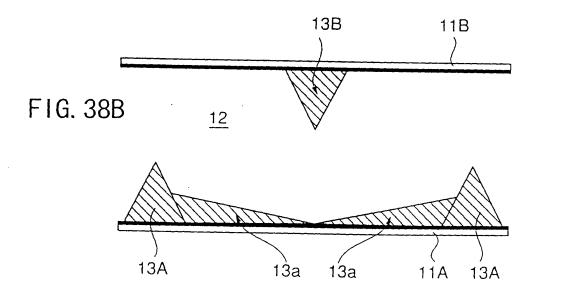


LIQUID CRYSTAL DISPLAY DEVICE AND METHO ...
Kataoka et al.
Greer, Burns & Crain, Ltd. (Patrick Bulns)
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FIG. 37

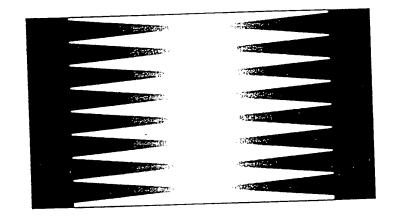




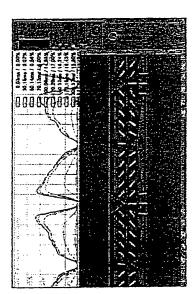


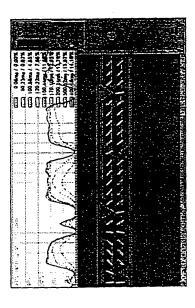
LIQUID CRYSTAL DISPLAY DEVICE AND METHON ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Bنسمه) Ref. No. 0941.65687 Sheet 44 of 64 (312) 360 0080

FIG. 39



F16. 40

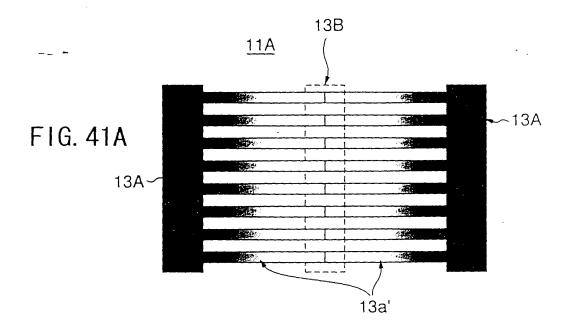


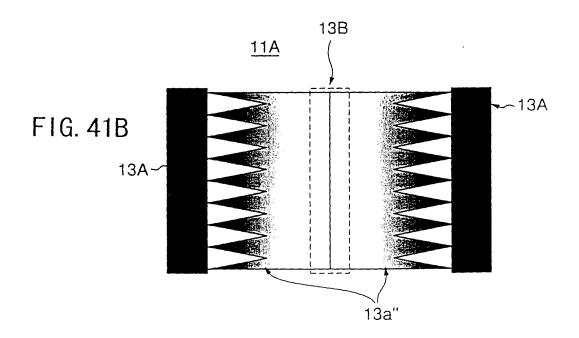


INVENTION

CONVENTIONAL METHOD

3

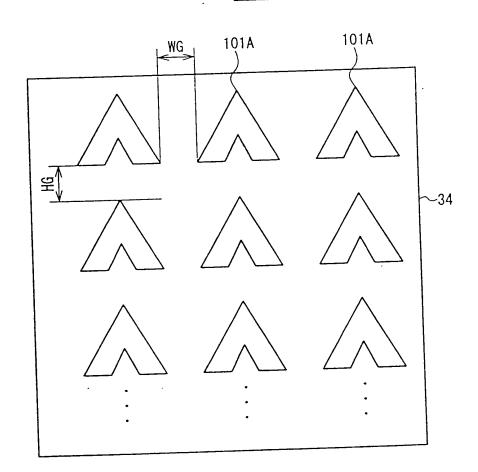




LIQUID CRYSTAL DISPLAY DEVICE AND MET Kataoka et al.
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FIG. 42

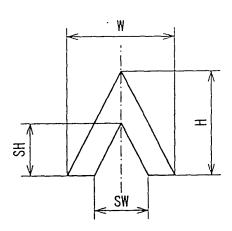




| LIQUID CRYSTAL DISPLAY DEVICE AND METHOD | Kataoka et al. | Greer, Burns & Crain, Ltd. (Patrick Burns, Ref. No. U941.65687 | Sheet 48 of 64 | (312) 360 0080

FIG. 43

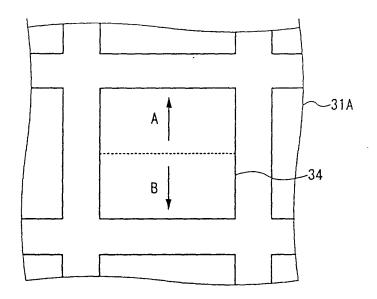




LIQUID CRYSTAL DISPLAY DEVICE AND METICAL Rataoka et al.

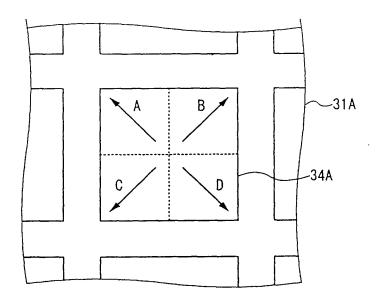
Greer, Burns & Crain, Ltd. (Patrick Burns)
Ref. No. 0941.65687
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FIG. 44



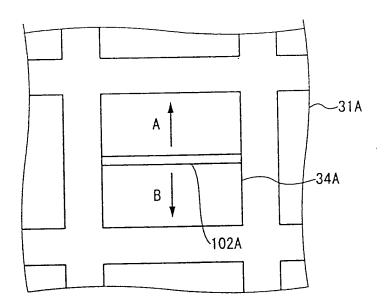
LIQUID CRYSTAL DISPLAY DEVICE AND METHO Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 0941.65687 Sheet 50 of 64 (312) 360 0080

FIG. 45



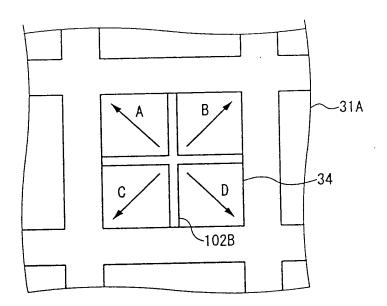
LIQUID CRYSTAL DISPLAY DEVICE AND METro... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 0941.65687 Sheet 51 of 64 (312) 360 0080

FIG. 46



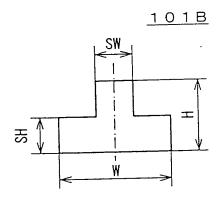
LIQUID CRYSTAL DISPLAY DEVICE AND METHOD
Kataoka et al.
Greer, Burns & Crain, Ltd. (Patrick Burns)
Kef. No. 0941.65687
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FIG. 47



LIQUID CRYSTAL DISPLAY DEVICE AND Y "OD ... Kataoka et al. Greer, Burns & Crain, Ltd. (Patrick burns) Ref. No. 0941.65687 Sheet 53 of 64 (312) 360 0080

FIG. 48



LIQUID CRYSTAL DISPLAY DEVICE AND METHO ...
Rataoka et al.
Greer, Burns & Crain, Ltd. (Patrick Buها)
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FIG. 49

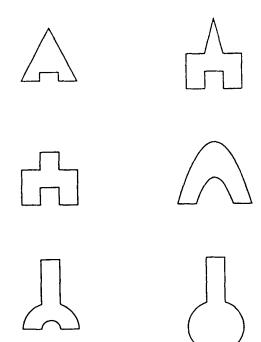


FIG. 50A

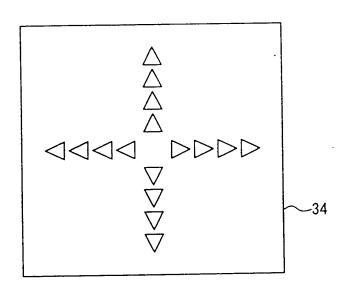
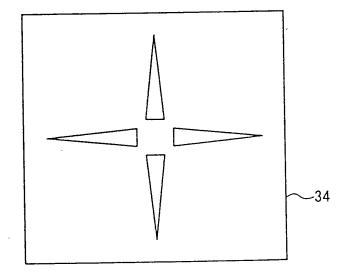


FIG. 50B



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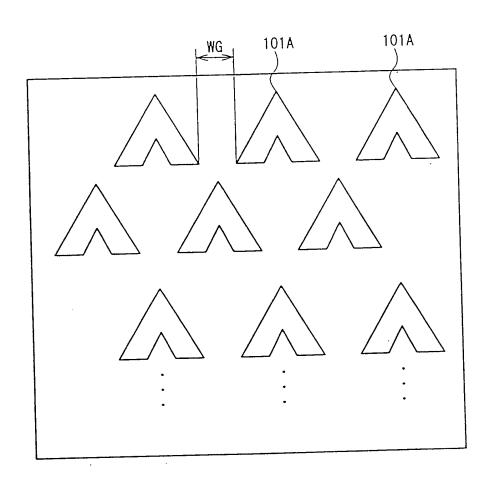
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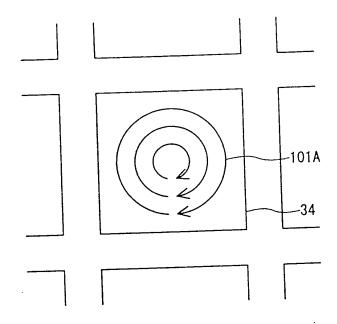
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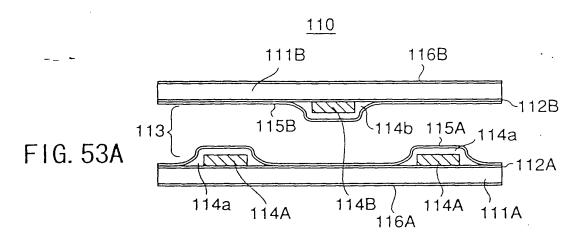
FIG. 51

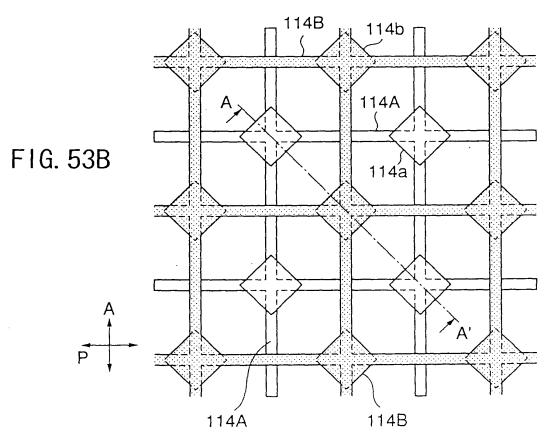


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FIG. 52

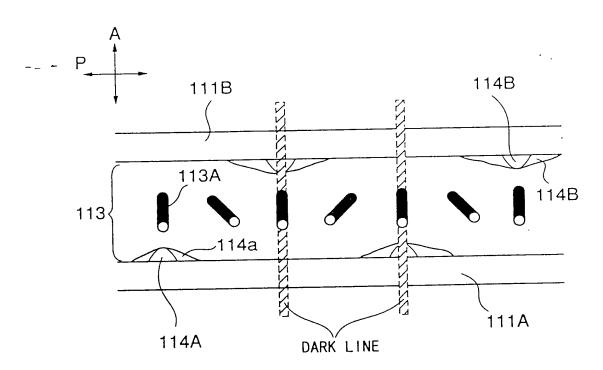




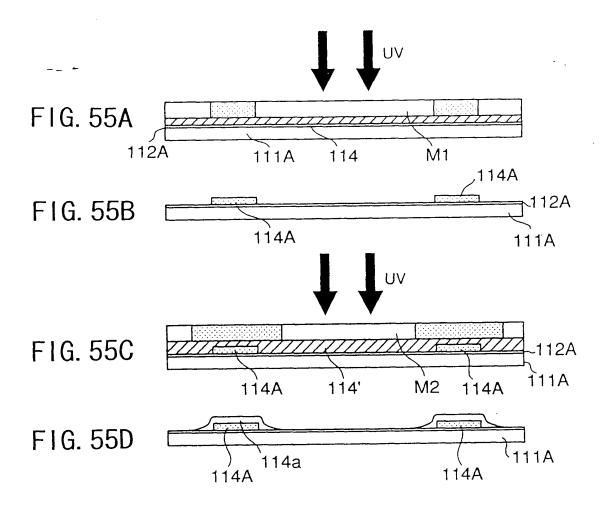


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FIG. 54



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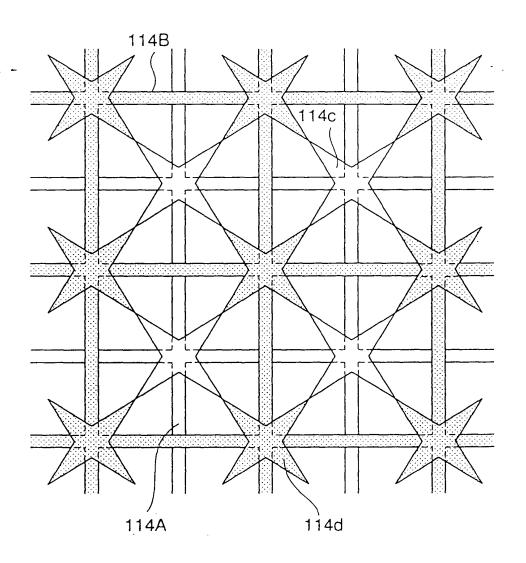
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FIG. 56



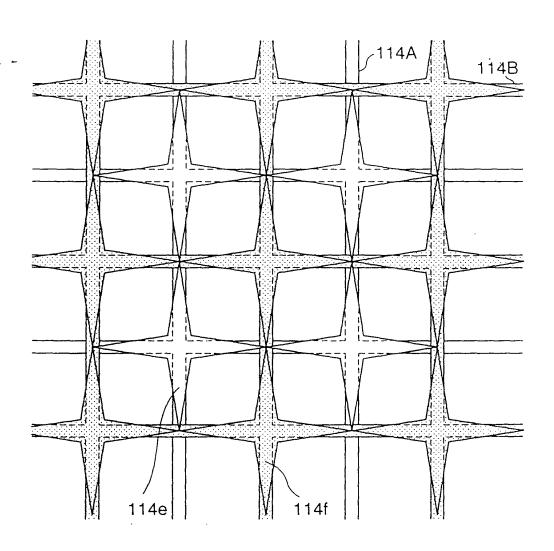
Kataoka et al.

Greer, Burns & Crain, Ltd. (Patrick Bu.)

Ref. No. 0941.65687

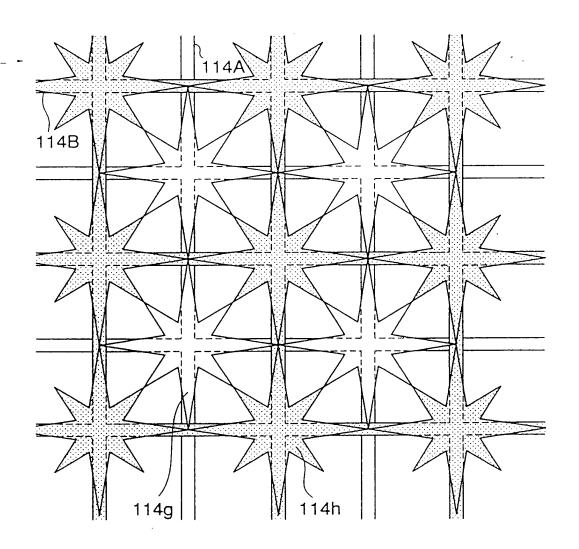
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FIG. 57



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FIG. 58



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FIG. 59

